

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO.
CLV-31563B
APPLICATION NO.
09939,145
APPLICANT
QIU ET AL.
FILING DATE
August 24, 2001GROUP 1760
APR 15 2003
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CLW	AA	4,168,112	9/18/79	Ellis, Edward J., et al	351	160	
	AB	4,321,261	3/23/82	Ellis, Edward J., et al	424	180	
	AC	4,941,997	7/17/90	Decher, Gero, et al	252	586	
	AD	4,973,429	11/27/90	Decher, Gero, et al	252	587	
	AE	5,068,318	11/26/91	Decher, Gero, et al	534	573	
	AF	5,518,767	5/21/96	Rubner, Michael, et al	427	259	
	AG	5,529,727	6/25/96	LaBombard, Denis	264	1.36	
	AH	5,536,573	7/16/96	Rubner, Michael, et al	428	378	
	AI	6,011,082	01/04/00	Wang, Yading	523	107	
	AJ						
	AK						
	AL						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
CLW	AM	0 032 443 A2	1/9/81	Europe			<input type="checkbox"/>	<input type="checkbox"/>
CLW	AN	0 138 385 A2	9/13/84	Europe			<input type="checkbox"/>	<input type="checkbox"/>
	AO	05318118	3/21/93	Japan--abstract			<input type="checkbox"/>	<input type="checkbox"/>
CLW	AP	GB 2, 102,070	1/5/78	Great Britian			<input type="checkbox"/>	<input type="checkbox"/>
CLW	AQ	JP 01,158,412	2/26/80	Japan			<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

CLW	AR	Blood Capatibility-Surface Characteristic Relationships of a Langmuir-Blodgett Film Composed of an Anionic Amphiphile-Polycation Complex, Uchida M., et al., New Polymers Material, Vol. 4, No. 3 pp. 119-211 (1994)
	AS	Enhancement of Light Emitting Diodes Based on Self-Assembled Heterosctructures of Poly (P-phenylene vinylene), O. Onitsuka, et al., Journal Applied Physics, 80, (7), 1 October 1996, ppg 4067-4071
	AT	Investigations of New Self-Assembled Multilayer Thin Films Based on Alternately Absorbed Layers of Polyelectrolytes and Functional Dye Molecules, D. Yoo, et al., Material Resource, Soc. Symp. Proc. Vol. 413, 1996, Materials Research Society

EXAMINER

DATE CONSIDERED

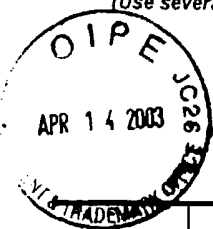
*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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							YES	NO
CME ↓	AA	WO 95/00618	1/5/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AB	WO 95/02251	1/19/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AC	WO 95/20407	8/3/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AD	WO 96/18498	06/25/96	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AE	WO 96/31792	10/10/96	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AF	WO 96/37241	4/25/96	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AG						<input type="checkbox"/>	<input type="checkbox"/>
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	AY						<input type="checkbox"/>	<input type="checkbox"/>
	AZ						<input type="checkbox"/>	<input type="checkbox"/>

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Christoph next

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

AA	New Electro-Active Self-Assembled Multilayer Thin Films Based on Alternately Absorbed Layers of Polyelectrolytes and Functional Dye Molecules, D. Yoo, et al., Elsevier Science, S.A., 1977, ppg 1425-1426
AB	Layer-By-Layer Modification of Surfaces Through the Use of Self-Assembled Monolayers of Polyions, D. Yoo, et al., ANTEC, 1995 ppg 2568-2570
AC	Molecular Self-Assembly of Conducting Polymers: A New Layer-by-Layer Think Film Deposition Process, J. H. Chung, et al.,
AD	Patterned Polymer Multilayer Fabrication by Controlled Adhesion of Polyelectrolytes to Plasma-Modified Fluoropolymer Surfaces, T. G. Vargo, et al, Supramolecular Science, Volume 2, Numbers 3-4, 1995, ppg 169-174
AE	Molecular-Level Processing of Conjugated Polymers 1. Layer-by-Layer Manipulation of Conjugated Polyions, M. Ferreira, et al., Macromolecules, Vol. 28, No. 21, 1995, ppg 7107-7114
AF	Molecular-Level Processing of Conjugated Polymers 2. Layer-by-Layer Manipulation of In-Situ Polymerized p-type Doped Conduction Polymers, M. Ferreira, et al., Macromolecules, Vol. 28, No. 21, 1995, ppg 7115-7120
AG	Molecular-Level Processing of Conjugated Polymers 3. Layer-by-Layer Manipulation of Polyaniline via Electrostatic Interactions, J. H. Cheung et al., Macromolecules, 1997, 30, ppg 2712-2716
AH	Abstract, JP 05318118, Matsumoto, December 1993.
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Charles Smith

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7/19/04

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QIU ET AL.
FILING DATE
AUGUST 24, 2001

Group



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>ML</i>	AA	US 5 807 636 A	9/15/98	Sheu et al.	428	403	12/19/96
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>ML</i>	AM	WO 99/57581 A	11/11/99				<input type="checkbox"/>	<input type="checkbox"/>
	AN	EP 0 989 418 A	3/29/00				<input type="checkbox"/>	<input type="checkbox"/>
	AO	WO 98/05269 A	2/12/98				<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	International Search Report
	AS	
	AT	
EXAMINER	<i>Chen</i>	
DATE CONSIDERED	<i>7/19/04</i>	

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JUL 29 2002
TC 1700

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